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Additional Resource Needs to Manage New CO₂ Injection Wells

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CO₂ Sequestration

- If carbon sequestration is conducted in large enough volumes to have a ***meaningful impact on global warming***;
 - It is likely that thousands of injection wells will need to be developed and permitted in the United States
 - This will require state and EPA regional UIC programs to expand their staff and capabilities.



Purpose of Project

- The project gauges the incremental resources that state and regional UIC programs will need to review and permit the potentially large number of new CO₂ injection wells
 - The national budget for the UIC program (~\$11 million) has remained static for many years
 - The UIC program agencies have been asked to take on additional responsibilities



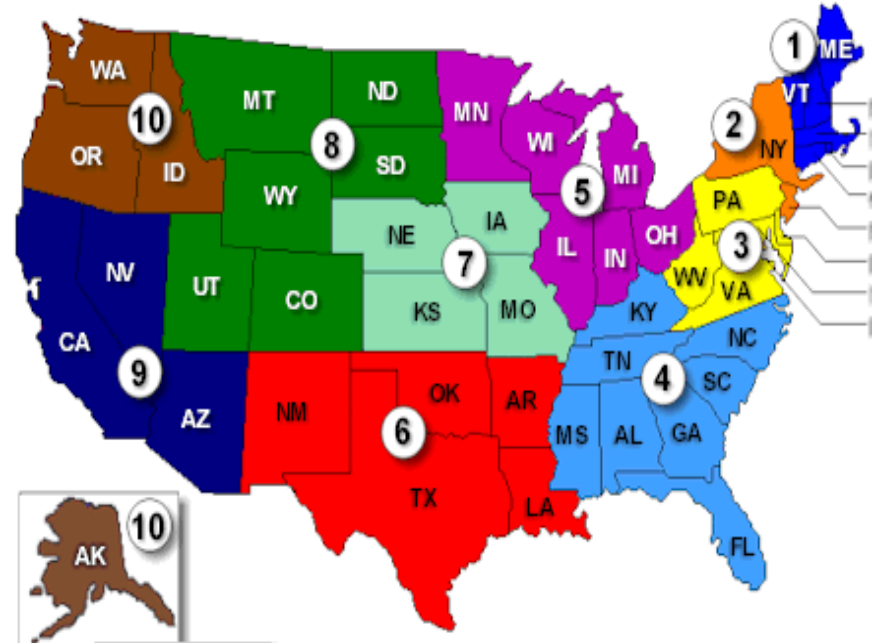
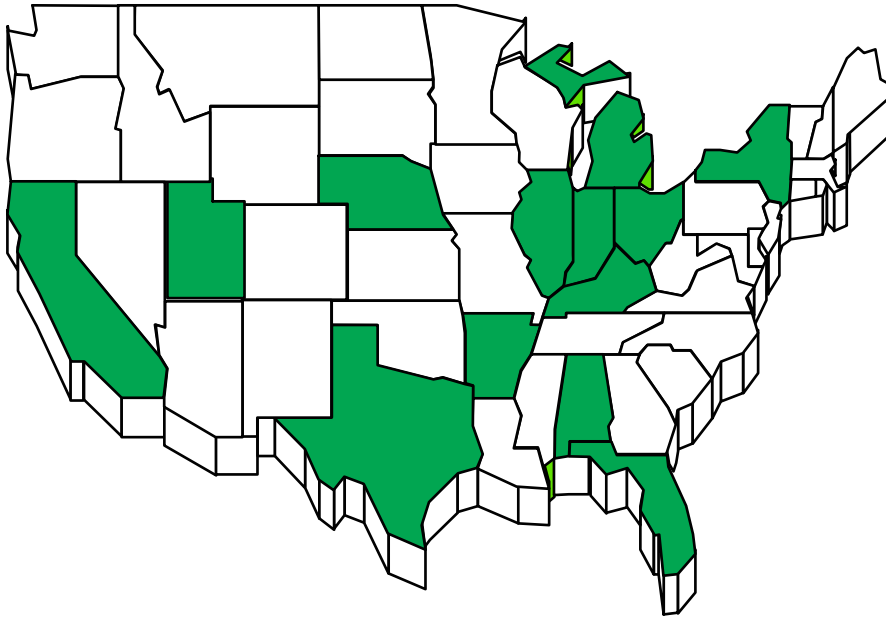
- The information compiled through this task can serve to inform EPA management and national policymakers about the resources needed to embark on a new significant injection program

Methodology

- Work with GWPC staff to develop list of questions
- Contact representatives from key states and EPA regional offices that are likely to permit CO₂ injection wells
 - In many states, the UIC responsibility is divided between the oil and gas and environmental agencies
 - Some states have UIC primacy, while others use separate state programs with EPA exercising the UIC authority through direct implementation
- Collect and organize information
- Prepare summary report

Results

- Through May 4, responses received from:
 - AL, **AR**, CA, FL, IL, IN, KY, MI, **NE**, NY, OH, TX, UT
 - EPA Regions 4, 6, 7, and 9



Caveats

- Different states provided varying degrees of detail and information
- Not all responders answered all questions
- The responses were provided as good-faith personal opinions
 - They do not necessarily represent the agencies' official position.
- In order to characterize the responses of 17 agencies to 17 different questions, the following slides show summary-level information

Next Steps

- Review and compile data
- Clarify replies
- Prepare draft report (end of May)
- GWPC will decide how to distribute the data and report